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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,720	09/22/2003	Hsien-Ping Chen	T-1257	2441

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EXAMINER

ABEDIN, SHANTO

ART UNIT	PAPER NUMBER
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2136

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/07/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/668,720	Applicant(s) CHEN, HSIEN-PING	
	Examiner Shanto M Z Abedin	Art Unit 2136	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1- 11 were presented for examination.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-11 are rejected under 35 USC 103 (a) as being unpatentable over Neufeld et al (US 2003/ 0226015 A1) in view of Monroe (US 2003/0061344A1).

Regarding claim 1, Neufeld et al discloses a digital network video and audio monitoring system, comprising:

a real time digital video and audio processing unit having multiple audio and video processing modules, wherein the audio and video processing modules are respectively connected to video and audio monitors to obtain monitoring signals from the video and audio monitors (Par [0034], [0046]; audio/ video processor; controller);

a fast Ethernet switching unit connected to outputs of the real time digital video and audio processing unit, wherein the fast Ethernet switching unit has a media access controller (MAC) address table connected to WAN Interface (Par [0061], [0084]; media access controller; address table) ; and

a self-protecting and alarming unit to detect abnormal signals from the video or audio monitors, the self-protecting and alarming unit will output an alarming signal (Par [0041], [0053], [0062]; embedded I/O controller; diagnosing; ACPI complaint power management).

Neufeld et al fails to disclose alarming unit connected between an external AC power source to detect abnormal signals from the external AC power source, wherein when the external AC power source outputs an abnormal signal;

However, Monroe discloses self protecting alarming unit connected between an external AC power source to detect abnormal signals from the external AC power source, wherein when the external AC power source outputs an abnormal signal; (Par [0024], claim 11,16,34; monitoring power supply/ signals; control signals).

Monroe and Neufeld et al are analogous art because they are from the same field of endeavor of monitoring audio/ video system. At the time of the invention it would have been obvious to a person of ordinary skill in art to combine teachings of Monroe and Neufeld et al to design a system further comprising alarming unit wherein when the external AC power source outputs an abnormal signal, the self-protecting and alarming unit will output an alarming signal in order to provide a fast alarming system based upon the power or signal processing (Monroe, abstract).

Regarding claim 2, it is rejected applying as above rejecting claim 1, furthermore, Neufeld et al discloses monitoring system wherein each video and audio processing module comprising: a programmable media processor connected to the video and audio monitor, and having an image processor, a network server and a file transfer protocol (FTP) server, wherein the programmable media processor transfers the video and audio signals from the video and audio monitor to a specific digital signal (par [0018], [0034]; server for file sharing/ resource transmission);

a network interface controller connected between the programmable media processor through a PCI bus and the fast Ethernet switching unit, wherein the network interface controller is set up an IP address and transfers the specific digital signal to network packages with the IP address and

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outputs the network packages to the inputs of the fast Ethernet switching unit (Par [0057], [0059]; PCI bus; IP address); and

a programmable logic device connected to external devices and the network interface controller through the PCI bus and receives a command signal that is to control operations of the external devices (Par [0051], [0072]; ASIC; remote controller).

Regarding claim 3, it is rejected applying as above rejecting claim 2, furthermore, Neufeld et al discloses the monitoring system wherein the network server establishes a TCP/IP operation platform and sets up a platform's states as a module's name, a system time, a system's IP address, a user name, an HTTP platform, operations of the video and audio monitor, an alarming function, protocol parameters (Par [0072], [0078], [0084]; diagnosing; time, address/ security information); and

the external devices including a controller of each of the video and audio monitors and a modem (Par [0045], [0047], [0048]; modem; monitor; controller).

Regarding claims 4-5, they are rejected applying as above rejecting claim 3, furthermore, Neufeld et al discloses the monitoring system wherein the programmable media processor further comprises a video connector and an audio connector that are respectively connected to the output of the video and audio monitor; and the programmable logic device further comprises a DI/DO and an RS-485 port that are connected to a controller of the video and audio monitor, and wherein the programmable logic device further comprises an RS-232 port connected to the modem (Par [0060]; serial communication lines/ interfaces; RS-232).

Regarding claim 6, it is rejected applying as above rejecting claim 5, furthermore, Neufeld et al discloses the monitoring system wherein the video connector is a BNC type and the audio connector is an RAC type (Par [0041], [0061]; connectors).

Regarding claim 7, it is rejected applying as above rejecting claim 1, furthermore, Neufeld et al discloses the monitoring system wherein the fast Ethernet switching unit further comprises a gigabit interface and a megabit interface (Par [0061], [0065]; standard Ethernet interfaces).

Regarding claim 8, it is rejected applying as above rejecting claim 1, furthermore, Neufeld et al discloses the monitoring system comprising a broadband router and firewall unit connected to the fast Ethernet switching unit, wherein the broadband router and firewall unit was set up a published IP address (Par [0080], [0084]; firewall; security settings).

Regarding claim 9, it is rejected applying as above rejecting claim 8, furthermore, Neufeld et al discloses the monitoring system wherein the broadband router and firewall unit has a policy table in which multiple published IP addresses of terminals over Internet are stored (Par [0080], [0084]; firewall; security settings).

Regarding claim 10, it is rejected applying as above rejecting claim 2, furthermore, Neufeld et al discloses the monitoring system wherein the IP address of each network interface controller is a virtual or a published IP address (par [0009], [0016], [0057]; address translation; VPN).

Regarding claim 11, it is rejected applying as the same rationale and motivation above rejecting claim 1 and 4, furthermore, Neufeld et al discloses the monitoring system wherein the self-protecting and alarming unit comprising:

a processor has a program to detect abnormal signals of the the video and audio monitors, wherein the processor is connected to the video and audio monitors through the video and audio connectors (Par [0041], [0053], [0062]; embedded I/O controller; diagnosing; ACPI complaint power management);

a display connected to the output of the processor (Fig3.4); and

a keyboard connected to the input of the processor (Fig 2.52).

Neufeld et al fails to disclose

a program to detect abnormal signals of the external AC power source wherein the processor is connected to the video and audio monitors through the video and audio connectors ; and

a power converter connected between input of the processor and the external AC power source, wherein the power converter converts the external AC power source to a DC power source and then outputs the DC power source to the processor;

a speaker connected to an output of the processor.

However, Monroe discloses

a program to detect abnormal signals of the external AC power source wherein the processor is connected to the video and audio monitors through the video and audio connectors (Par [0024], claim 11,16,34; monitoring power supply/ signals; control signals) ; and

a power converter connected between input of the processor and the external AC power source, wherein the power converter converts the external AC power source to a DC power source and then outputs the DC power source to the processor (Par [0262]; AC power switch);

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a speaker connected to an output of the processor (Par [0259]; speaker).

Conclusion

3. A shortened statutory period for response to this action is set to expire in 3 (Three) months and 0 (Zero) days from the mailing date of this letter. Failure to respond within the period for response will result in ABANDONMENT of the application (see 35 U.S.C 133, M.P.E.P 710.02(b)).

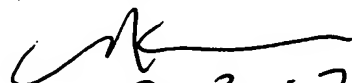
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shanto M Abedin whose telephone number is 571-272-3551. The examiner can normally be reached on M-F from 9:00 AM to 5:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Moazzami Nasser, can be reached on 571-272-4195. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shanto M Abedin

Examiner, AU 2136

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